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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|---|-------------|----------------------|---------------------|-----------------------------|--|
| 10/693,842 | 10/24/2003 | Mamiko Nomura | 03310/034001 | 9997 | |
| 7590 08/31/2004 | | | EXAM | EXAMINER | |
| ROSENTHAL & OSHA L.L.P. | | | HAMPTON HIGHT | HAMPTON HIGHTOWER, PATRICIA | |
| Suite 2800 1221 McKinney Street Houston, TX 77010 | | | ART UNIT | PAPER NUMBER | |
| | | | 1711 | | |

DATE MAILED: 08/31/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

| | Application No. | Applicant(s) | | | | |
|---|--|--|--|--|--|--|
| · | 10/693,842 | NOMURA MAMIKO ET AL | | | | |
| Office Action Summary | Examiner | Art Unit | | | | |
| | Patricia Hightower | 1711 | | | | |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply | | | | | | |
| A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b). | I36(a). In no event, however, may a reply be tir ly within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from | nely filed s will be considered timely. I the mailing date of this communication. D (35 U.S.C. § 133). | | | | |
| Status | | | | | | |
| · — | Responsive to communication(s) filed on 10/24/03; 2/18/04. | | | | | |
| | This action is FINAL . 2b)⊠ This action is non-final. | | | | | |
| 3) Since this application is in condition for allowed in people and with the practice under | Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. | | | | | |
| closed in accordance with the practice under Ex parte Quayre, 1939 O.B. 11, 490 O.B. 210. | | | | | | |
| Disposition of Claims | | | | | | |
| 4)⊠ Claim(s) <u>1-7</u> is/are pending in the application. | | | | | | |
| 4a) Of the above claim(s) is/are withdrawn from consideration. | | | | | | |
| 5) Claim(s) is/are allowed. | | | | | | |
| 6)⊠ Claim(s) <u>1-7</u> is/are rejected. 7)□ Claim(s) is/are objected to. | | | | | | |
| | Claim(s) are subject to restriction and/or election requirement. | | | | | |
| Application Papers | - · · | | | | | |
| 9) ☐ The specification is objected to by the Examiner. | | | | | | |
| 10)⊠ The drawing(s) filed on <u>24 October 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner. | | | | | | |
| Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). | | | | | | |
| Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). | | | | | | |
| 11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. | | | | | | |
| Priority under 35 U.S.C. § 119 | | | | | | |
| 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. | | | | | | |
| Attachment(s) | | | | | | |
| 1) Notice of References Cited (PTO-892) | 4) 🔲 Interview Summar Paper No(s)/Mail I | | | | | |
| Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 2/18/04;10/24/03. | | Patent Application (PTO-152) | | | | |

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Information Disclosure Statement

The information disclosure statements filed February 18, 2004 and October 24, 2003 have been considered and have been made of record.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 08-044062.

JP 08-044062 discloses radiation sensitive resin composition containing a polyisoimide having a main structural units I and/or II (R¹, R³ = divalent group having divalent alicyclic group or organosiloxane skeleton; R², R⁴ = tetravalent organic group) and a compound that shows acid upon radiation irradiation. The compositions provide high-contrast patterned films with good thermal resistance and electrical and mechanical properties able to be used as insulating materials. Thus, a radiation sensitive resin composition comprised of a polyisoimide prepared by reaction of a polyamic acid from daiminodicyclohexylmethane and 3,3'4,4'-benzophenone tetracarboxylic dianhydride with Ac20 and 2,3,4-trihydroxybenzophenone 1,2-napthoquinonediazido-5-sulfonate which anticipates

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the claimed invention. See English language abstract and computer/machine translated patent pages 1-13 and the claims.

Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. These references are cited to show the state of the art of radiation sensitive mixtures and photosensitive polyimide precursor containing compositions; Pawlowski and Matsuoka.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia Hightower whose telephone number is (571) 272-1073. The examiner can normally be reached on M-F from 9:30 A.M. - 6:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patricia H. Hightower
Primary Examiner
Art Unit 1711

P. Hightower/af August 25, 2004